

# Field Inspection Reports: Review Concrete Pavement

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# Access Concrete Pavement

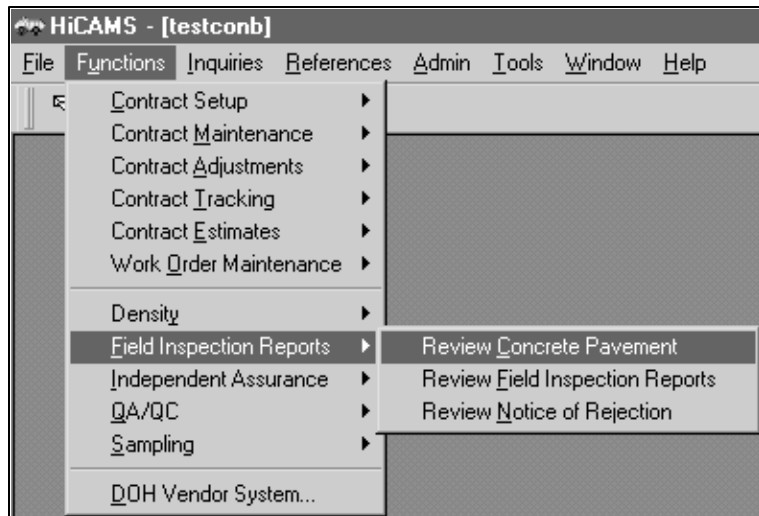
## Overview

Review Concrete Pavement is a submenu option under Field Inspection Reports. Review Concrete Pavement pertains to the work performed in the construction of non-reinforced Portland cement concrete pavement. The DOT accepts concrete paving with respect to strength and thickness on a lot by lot basis subject to adjusted unit prices. The lot number for each test must be unique within a given Contract. Multiple test results for one Contract may be entered.

Concrete Pavement is different from the other Reports in that the Contract Line Item defines each test rather than a Material Type.

Follow the steps below to access Review Concrete Pavement in HiCAMS.

- Step 1:** Log onto HiCAMS, using the instructions found in "HiCAMS Getting Started."
- Step 2:** Choose Field Inspection Reports from the Functions menu in HiCAMS. Click **Review Concrete Pavement**:



- Step 3:** To further aid in the retrieval of an EXISTING report, there are filtering functions available in HiCAMS. These filter functions are especially helpful when choosing from a very large listing of reports. See Field Inspection Reports: Overview - Retrieval Tips for all Field Inspection Reports for details using these functions.

## Flexural Strength Tab - Review Concrete Pavement

The Resident Engineer's office enters all data on the **Concrete Pavement Tab** window. The *Lot* number is a required numeric field and is unique within a given Contract.

**Step 1:** In the Upper portion of the window: *Lot*, *Line Item number*, *Material*, *Required Strength*, *Beam 1 and Beam 2 Strength*, and the *Pay Factor* data can be entered using the various entry fields and drop-down menus on the **Flexural Strength Tab** window:

**Review Concrete Pavement (C200211)**

Contract: C200211 Contractor: ASHEVILLE DIVISION, APAC-CAROLINA, INC. Status: Activated  
 Description (nickname): REST AREA / PAVING PROJECT Work Order: 32573.3.11 System: English

Flexural Strength Core Recommend Pay Factor Report History

Report ID	Lot	Line Item	Material	Date Made	Required Strength	Beam1 Strength	Beam2 Strength	Average Strength	Theoretical Pay Factor	Actual Pay Factor
203	1	42 - *****PCC PVT, THRU	Concrete for Concrete	07/01/2002	600.000	679.000	606.000	642.500	100.0000	100.0000
304	2	42 - *****PCC PVT, THRU	Concrete for Concrete	07/02/2002	600.000	693.000	619.000	656.000	100.0000	100.0000
305	3	42 - *****PCC PVT, THRU	Concrete for Concrete	07/02/2002	600.000	727.000	704.000	715.500	100.0000	100.0000
306	4	42 - *****PCC PVT, THRU	Concrete for Concrete	07/02/2002	600.000	719.000	727.000	723.000	100.0000	100.0000
307	5	42 - *****PCC PVT, THRU	Concrete for Concrete	07/02/2002	600.000	650.000	677.000	663.500	100.0000	100.0000
308	6	42 - *****PCC PVT, THRU	Concrete for Concrete	07/03/2002	600.000	677.000	681.000	679.000	100.0000	100.0000
309	7	42 - *****PCC PVT, THRU	Concrete for Concrete	07/03/2002	600.000	653.000	677.000	665.000	100.0000	100.0000
310	8	42 - *****PCC PVT, THRU	Concrete for Concrete	07/03/2002	600.000	655.000	726.000	690.500	100.0000	100.0000
311	9	42 - *****PCC PVT, THRU	Concrete for Concrete	07/04/2002	600.000	677.000	666.000	671.500	100.0000	100.0000
312	10	42 - *****PCC PVT, THRU	Concrete for Concrete	07/04/2002	600.000	650.000	680.000	665.000	100.0000	100.0000
313	11	42 - *****PCC PVT, THRU	Concrete for Concrete	07/04/2002	600.000	620.000	654.000	637.000	100.0000	100.0000

Search By Plant ID:  Producer: APAC-Georgia Ballenger Paving Division, APAC-Geo

Testing Category:  Concrete Mix: 404TVFM39E

Inspector: Ausley, Jeff Test Result: Meets Specs

Comment:

**Step 2:** In the Lower portion of the window: Testing Category, Concrete Mix, Date Made, Search by Plant/Facility ID, Approved Producer/Supplier, and all of the Flexural Strength Results data can be entered using the various entry fields and drop-down menus.

**Step 3:** Click the **Save** button.

**Note:** The saved record captures all data that has been entered and the fields in all tab windows become uneditable. The fields become editable for data entry after the Report's status is changed and the record is re-saved by an authorized user.

Report Status:	Authorized
	Authorized
	In Process
	Unauthorized
	Void
Who	
K	

## Core Tab - Review Concrete Pavement

The Resident Engineer's office enters all data except for the *Core Thickness* in the **Core Tab** window. *Core Thickness* data will be entered by M&T Lab personnel.

The **Core Tab** Window contains all information for Concrete Pavement: *Theoretical Thickness*, *Core Thickness*, *Station*, *Location*, and *Test Result*.

**Step 1:** To insert a new row into this **Core Tab** window, click the **Insert** button and enter the data.

**Step 2:** To delete a row, select the row and click the **Erase** button. This must be done BEFORE the record is saved. See example screen below:

**Review Concrete Pavement**

Report Name: Concrete Pavement

Contract: C105063 Contractor: Rose Brothers Paving Co., INC Status: Activated

Description: Bolling Road Work Order: 8.1130169

Flexural Strength Core Recommend Pay Factor Report History

Lot	Theoretical Thickness	Core Thickness	Thickness Pay Factor	Station	Location	Test Result
1	9.0	8.500	68.0000	256 + 00		Meets Specs
1	9.0	8.500	68.0000	256 + 00		Meets Specs

**Step 3:** To record the *Theoretical Thickness*, *Core Thickness*, *Thickness Pay Factor*, *Station*, and *Location*, select each field and enter the appropriate data.

**Note:** *When pavement is deficient in thickness by more than 1.0 inch (25.4mm), the Resident Engineer will determine if the pavement can be left in place or shall be removed and replaced. If the Resident chooses to leave deficient pavement in place, he will accept the pavement at a reduced priced based on a pay factor not to exceed 50%. HiCAMS will automatically set the Test Result status to "Does Not Meets Specs – Pay Adjustment Recommendation".*

*HiCAMS will automatically calculate the Recommended Pay Factor by multiplying the Flexural Strength Pay Factor by the Thickness Pay Factor. Whenever the Recommended Pay Factor is 100%, the Overall Test Result will be defaulted to "Meets Specs". If the Recommended Pay Factor is less than 100%, the Overall Test Result will be set to "Pay Adjustment – Does Not Meet Specs".*

**Step 4:** To record the **Test Result**, select the field or use the drop-down menu arrow and select from the following choices:

- ◆ Meets Specs - Does Not Meet Specs
- ◆ Pay Adjustment - Does Not Meet Specs
- ◆ Rejected - Does Not Meet Specs

### **Recommend Pay Factor Tab - Review Concrete Pavement**

This Tab Window helps the RE recommend the Pay Factor and set the Overall Test Result for the material.


**Step 1:** To insert a new row, click the **Insert** button and enter the data.

**Step 2:** To delete a row, click the **Erase** button. This must be done BEFORE the record is saved.

**Step 3:** To enter **Recommended Pay Factor** data, select the field and enter the data.

**Step 4:** To select the **Overall Test Result**, click the field or use the drop-down menu arrow and select from the following choices:

- ◆ Meets Specs
- ◆ Does Not Meet Specs
- ◆ Pay Adjustment - Does Not Meet Specs
- ◆ Rejected - Does Not Meet Specs

**Step 5:** To select **Pay Adjustment Recommendations**, click the **PAR** button  and choose from the displayed list.

Lot	Thickness Pay Factor	Flexural Pay Factor	Recommended Pay Factor	Overall Test Result	PAR
1	68.0000	100.0000	95.0000	Meets Specs	95
1	68.0000	100.0000	95.0000	Meets Specs	95

## Report Tab - Review Concrete Pavement

The Report for Review Concrete Pavement is under the **Report Tab** window.

**Step 1:** To view the entire report, use the scroll bars or **Print Preview**:

**North Carolina Department of Transportation**  
Concrete Pavement Beams For Lot

Contract Number: C105063  
Description: Bolling Road

Lot: 1      Station: 256 + 00      Location: sta. 256 + 00  
Line Item: 22      Line Item Description: Concrete Shoulders Adjacent to 9" Pavement

Required Strength	Date Made	Concrete Mix ID	Approved Producer/Supplier
600.0	04/16/2000	140DYOB4000CAIE	McDowell Cement Products

## History Tab - Review Concrete Pavement

Actions that have been performed for an individual report are listed located under the **History Tab** window. This area also contains historical comments that have been entered.

**Step 1:** To view the individual comments for each action, click the action to view any comments specific to that item. See example screen below:

**Review Concrete Pavement**

**Report Name:** Concrete Pavement

**Contract:** C105063 **Contractor:** Rose Brothers Paving Co., INC **Status:** Activated

**Description:** Bolling Road **Work Order:** 8.1130169

Flexural Strength | Core | Recommend Pay Factor | **Report** | History

Action	Action Date	Status	Who

**Comment:**